Current Science Index
Volume 78, Issues 1–18

First number indicates issue; second number, page.

ACCELERATE, 10:12
accelerators, 9:15, 14:14
accidents, 13:9
acetylcholine, 7:8–9
acid rain, 6:12–13, 9:10, 17:4–7
activities, see Challenge section each issue
adaptation, 9:8–9
addiction, nicotine, 9:6; steroid, 1:10
aerobic, 11:8–9
AIDS, and animal research, 5:4–5; and female inventors, 13:10–11; Johnson, "Magic," Earvin 8:12; new drug fights, 3:15; scientific discoveries, 18:6–7; spread of, 15:12; strikes teens, 2:4–7
aircraft, 6:6
airfoils, 7:15
air pollution, 17–4:7
Alaska, wolves in, 12:9
albinism, 6:12–13
alcohol, 5:11
ALD, 16:13
algorithm, 4:10
alimentary canal, 7:8–9
allergies, 13:7, 14:15, 16:11
amino acids, 16:11
ammonium, 12:10–11
amphibians, 6:12–13
ampullae of Lorenzini, 17:8
amygdala, 10:4–5
anaerobic, 8:10; bacteria, 7:4–7; microbes, 15:4–7
analog, 8:4–6
anatomy, 5:6
animal protectionists, 5:4–5, 14:12
animals, in research, 5:4–5, 6; survey results, 14:12
Antarctica, 6:15, 18:13
antelopes, 1:12
Apollo asteroids, 18:4–5
Armillaria bulbosa, 1:8–9
arms treaty, U.S. and Russia, 14:10
arteries, 11:10
arthritis, juvenile rheumatoid, 1:13, 15:11
artificial intelligence, 11:4–7
asphalt, 5:13
asphyxiation, 13:4–6
asteroids, 18:4–5
asthma, childhood, 13:7; and smoking, 6:4–5
astronaut, 8:8–9
Atlantis, 17:11
atmosphere, 14:6–7
atom smasher, 9:15, 14:14
aye-aye, 2:10
AZT, 3:15, 18:6–7

BABIES, 6:14
baboon, 3:8–9
back, 9:11
bacteria, 8:10, 15:4–7, 16:12
balance, 5:8–9, 14–15
baldness, 14:15
balloon, 2:13
Banner, 16:6–7
baseball, air-current effects, 1:7; bats, 17:9
basketball, 10:12
bears, 12:12
bees, 2:15, 5:11, 11:13
beetle, pine shoot, 8:13
Bible, 14:6–7
bicycle, helmets, 13:9; racing, 7:15; self-shifting, 7:11
Big Bang, 10:8–9
biodegradation, in landfills, 15:4–7; plastic, 13:8
biodiversity, Earth Summit, 3:4–7; wetland, 7:4–7
biofeedback, 8:8–9, 14–15
bioluminescence, 9:12–13
biomass, 12:10–11
birds, feeding habits, 9:15; whooping cranes, 15:12
bitumen, 5:13
black holes, 6:8–11, 11:12
bladder, 12:12
blasts, leukemic, 12:4–6
blind spot, 7:12–13
blood cells, 12:4–6
bone, blood pressure, 11:10; growth, 16:4–5; marrow, 12:4–6
bronchi, 13:7
bubbles, 12:12
butterfly migration, 14:4–5, 12

CADMIUM, 16:10
calcium, bears, 12:12; milk, 16:11
California, Current, 8:7; drought, 17:13; earthquake, 4:4–6
cancer, 6:4–5, 12:4–6, 14:15, 16:15, 17:8
captive breeding, 5:10
carbohydrates, 7:8–9
carbon dioxide, 12:10–11
Camarasaurus-4, 8–9
carbon monoxide, 17:4–7
carbonate, 11:4–7
carcinogen, 17:8
caribou, 12:9
carnivorous, 9:8–9
carpet, musical, 8:13
cars, electric, 17:4–7; tiny portable, 1:13
cartilage, 15:11
cataracts, 2:8–9
caterpillar, 3:15
cellulose, 14:15
center of gravity, 5:8–9, 14–15
centrifugal force, 7:11
cerebellum, 10:4–5
cerebral cortex, 10:4–5
cerebral palsy, 13:12
cesium, 3:14
chemical, bonds, 2:3; weapons, 17:13
chemosynthesis, 8:10
chemotherapy, 12:4–6
chlorofluorocarbons, 2:8–9, 12
cholera, 3:4–7
choline, 7:8–9
cigarettes, 6:4–5; 9:6
Clean Air Act, 17:4–7
clocks, atomic, 3:14; circadian, 14:4–5
clone, 11:13
cloud, 10:8–9, 15:8
cockroach, 11:4–7
cold-blooded, 4:8–9, 10:4–5
cold sores, 10:3
Columbus, Christopher, 9:14
combustion, 17:4–7
comets, and Earth impact, 18:4–5; Grigg-Skjellerup, 3:14; Kuiper belt, 7:14
compact disks, 8:4–6
compass, 14:4–5
composting, 15:4–7
compression force, 12:7
computer, 11:13, 13:13
concave, 12:2
condensation, 7:10
conduction, 3:12–13
connective tissue, 6:7
continental drift, 6:15
convex, 12:2
cows, 10:11
crater, 17:11, 18:4–5
crystals, 13:12
cumulonimbus clouds, 15:8
current, 18:10
Cygnus A, 6:8–11

DDC, 3:15
ddI, 3:15, 18:6–7
DDT, 5:10
decelerate, 10:12
declination, 3:10
deer, Key, 8:11
dehydrated, 18:11
dehydration, 3:4–7
depression, 1:10
derailleur, 7:11
dermatologist, 18:12
desert, 12:13
Devers, Gail, 4:11
diabetes, 16:11
diamonds, 8:13
diaphragm, 1:2
digestion, 7:8–9
digital, electronics, 8:4–6; music, 15:9
dinosaur, *Barosaurus*, 11:10; Camarasaurus, 4:8–9; *Deinonychus*, 4:8–9; extinction and diamonds, 8:13; *Jurassic Park*, 4:8–9, 8:4–6, 11:13, 13:13; *Tyrannosaurus rex*, 4:8–9; *Utahraptor*, 4:8–9; *Velociraptor*, 4:8–9
disk, spinal, 9:11
dissection, animal, 5:6
distance, 10:10
dizziness, 8:8–9, 14–15
DNA, 6:4–5, 11:13, 17:9, 18:6–7
dogs, 5:12, 18:3
Dolphin Defenders, 10:13
dolphins, 16:14
donkey, 5:11
drag, 1:7
dreams, 11:2
drought, 17:13
drug-resistance, 18:6–7
drugs, 2:4–7, 5:11
dwarf, 6:7, 16:4–5

EAR, 8:8–9
earthquake, cause, 4:4–6; effect on geyser, 13:13; lights, 2:15
Earth Summit, 3:4–7
echolocation, 16:14
eddies, 13:4–6
Edison, Thomas, 2:11
Egypt, 14:6–7
E-lamp, 2:11
electric cars, 17:4–7
electric current, in bulbs, 2:11; from earthquakes, 2:15; in superconductors, 18:10
electromagnetic energy, 9:4–5
electronic home, 8:4–6
elephants, 6:15; and orphanage, 18:11
emphysema, 6:4–5
endangered species, American crocodile, 7:4–7; Cape Sable seaside sparrow, 7:4–7; Florida panther, 7:4–7; gray whale, 17:12; Key deer, 8:11; peregrine falcon, 5:10; whooping cranes, 15:12
energy conservation, 2:11, 13:13, 15:4–7, 17:4–7
environment, activity, 2:12; kids clean up, 10:13; NAFTA, 16:10; survey, 3:7; survey results, 13:15; versus jobs, 9:10
enzyme, 18:6–7
epicenter, 2:15, 4:4–6
epidermis, 18:12
erosion, 5:7
ethanol, 17:4–7
ether, 17:4–7
European carp, 14:14
Everest, Mount, 5:7
Everglades, 7:4–7
evolution, 10:4–5; convergent, 9:8–9
exercise, 11:8–9
extinction from space rocks, 18:4–5
extraterrestrials, communication with, 9:4–5; contest, 9:12–13; contest winners, 16:9, 17:15
eye, 2:8–9, 7:2, 12–13; of hurricane, 7:10
Exxon Valdez oil spill, 1:11

FALCON, 5:10
fatty acids, 16:13
faults, 4:4–6
femur, 12:13
fertilization, 17:12
fever, 10:6–7
fiber optics, 8:4–6
filament, 2:11, 15:12
flight, in airplanes, 6:6; in geese, 17:2
flood; 2:14, greatest, 16:15
Florida, Everglades, 7:4–7; Keys, 8:11
fluorescent, 2:11, 13
food, 7:8–9
force, centrifugal, 7:11; compression, 12:7
foreshocks, 4:4–6
fossil, 4:8–9, 11:13
frescoes, 17:11
friction, 5:8–9, 16:14
frog, extinction, 6:12–13; seven-legged, 7:14
fruit fly, 3:15
fuel, automobile, 10:14
fungus, 1:8–9

GALAXIES, 10:8–9
Galileo, 14:14
garbage, 15:4–7; math, 15:14
geese, 17:2
genes, 7:14, 9:6, 8–9, 11:13, 13:8, 15:10, 16:4–5, 12, 18:6–7
geophones, 10:14
geyser, 13:13
glacier, 5:7, 10:14, 12:10–11, 14
global, freezing, 12:10–11; warming, 1:12, 3:4–7, 10:11
glowing river, 9:12–13
glue, 2:3
goose with human family, 10:15
goose bumps, 13:3
gorge, 10:14
Graves' disease, 4:11
gravity, 5:8–9, 6:8–11, 8:8–9, 10:12, 11:10, 14:14
greenhouse effect, 3:4–7; gases, 10:11
Greenland, 12:10–11
Gretzky, Wayne, 9:11
growth, 16:4–5
gymnastics, 5:8–9, 14–15

HAIR, 8:8–9, 14–15, 13:3
headache, 9:2
hearing, 8:8–9
heart, 4:13, 11:8–9, 10
heat, activities, 3:12–13
helium, 4:2
helmet, bicycle, 13:9; motorcycle, 10:14
hemophilia, 2:4–7
herpetologist, 6:12–13
hibernation, 12:12
hiccups, cause, 1:2; cures, 12:15
high resolution microwave survey, 9:4–5
Himalayas, 5:7
hippocampus, 10:4–5
hip replacement, 12:13
histamine, 13:7
HIV, 2:4–7, 8:12, 15:12, 18:6–7
Hole in the Wall Gang Camp, 12:4–6
home, electronic, 8:4–6
homing pigeons, 14:4–5
hot spot, 13:4–6
Hubble Space Telescope, 6:8–11, 11:12
human growth hormone, 16:4–5
hunting, whales, 4:10; wolves, 12:9
hurricane, 7:10; Andrew, 7:4–7; measurement, 9:7
hydrocarbons, 17:4–7
hydrology, 7:4–7
hygroscopic molecules, 4:12
hypnagogic jerk, 5:13
hypothalamus, 10:6–7

ICE, Age, 12:10–11; cores, 12:10–11; sheet, 16:15
immune system, and AIDS, 18:6–7; and arthritis, 15:11; and asthma, 13:7; and exercise, 11:8–9; and liver transplant, 3:8–9;
imprinting, 10:15
impulses, 10:4–5
incandescent, 2:11
indigestion, 16:11
inflammation, 6:4–5, 15:11
infrared radiation, 3:12–13; and body heat, 11:11; and global warming, 3:4–7
inherit, 9:16
instincts, 18:11
interbreed, 6:12–13
intercontinental ballistic missiles (ICBMs), 14:10
inventions, contest, 13:14; and women, 13:10–11
invertebrates, 7:4–7
isotasy, 5:7
isotopes, 4:8–9, 12:10–11

JACKSON, Michael, 18:12
jeans, 6:14
Jemison, Mae, 8:8–9, 14–15
jet stream, and California drought, 17:13; and tornadoes, 15:8; and warm winter, 1:12
Johnson, Earvin "Magic," 8:12
joints, 1:13, 12:13, 15:11
Jones, Lucille, 4:4–6
Jordan, Michael, 10:12
Jurassic Park, 4:8–9, 8:4–6, 11:13, 13:13

KARATE, 12:7, 14
Kevlar, 13:10–11, 16:12
Kilauea, 13:4–6
kinetic energy, 5:8–9
krill, 4:10
Kriss Kross, 15:9

LANDERS, Calif., 4:4–6
landfills, 15:4–7
laser, disks, 8:4–6,
lava, 13:4–6
leachate, 15:4–7
leukemia, 12:4–6, 14:15
levitate, 18:10
life, deep in Earth, 8:10; outer space, 9:4–5; span, 7:14
ligaments, 6:7
light, activity, 2:13; energy-saving bulb, 2:11; tiny, 15:12
light-year, 9:4–5
lignins, 14:15
limbs, missing, 3:15, 14:8–9
limestone, 11:4–7
limonite, 11:4–7
lipoproteins, 11:8–9
liquid crystal, 16:12
lodestone, 14:4–5
Lorenzo's Oil, 16:13
lumbar, 9:11
lymph nodes, 2:4–7

MACAW, blue-throated, 17:13
magma, 5:12, 13:4–6
magnet, 14:4–5, 18:10
magnetite, 8:10, 14:4–5
malignant, 12:4–6
maquiladoras, 16:10
Mars, mission to, 11:4–7
mathematics, 6:14
meat-eating plants, 9:8–9
melanin, 18:12
melanocytes, 18:12
memory, and diet, 7:8–9; and sleep, 9:14
mesocyclone, 1:4–6
metamorphosis, 6:12–13
meteors, 18:4–5
methane, 10:11
microorganisms, 15:4–7
microprocessor, 2:14, 11:13, 13:13
migraines, 9:2
migration, animal, 14:4–5, 12
milk, 10:11, 16:11
Miller, Shannon, 5:8–9
mimic, 12:8
mirror, space, 16:6–7, 8
Mir space station, 16:6–7
missing limbs, 3:15, 14:8–9
missiles, 14:10
mollusks, 9:14
monarch butterflies, 14:4–5, 12
moon, 3:10, 14:14
moose, 12:9
motion sickness, 8:8–9, 14–15
mountain lions, 11:11
multimedia, 8:4–6
Multiple Independently Targetable Reentry Vehicles (MIRVs), 14:10
mummies, 5:13
muscle fibers, 10:4–5
mushroom, 1:8–9
music technology, 15:9
mutations, 17:12, 18:6–7
myelin, 16:13

NASA, 2:8–9, 9:4–5, 11:4–7
nerves, 3:15, 7:8–9, 14:8–9, 13, 16:3, 17:10
neuromatrix, 14:8–9
neurons, 16:13
neurosignature, 14:8–9
neurotoxin, 12:8
neurotransmitters, 7:8–9, 17:10
neutrons, 4:8–9
Newton's first law, 8:3
nicotine, 9:6, 16:15
nitrogen oxides, 17:4–7
nocturnal, 16:6–7
normal, 10:6–7
North American Free Trade Agreement (NAFTA), 16:10
northeasters, 9:7
nose, 15:10
nuclear, explosion, 8:12–13; use in space, 18:4–5; weapons, 14:10
nucleus, 3:14, 4:8–9
nutrition, 16:11

OBSESSIONS, 17:10
ocean, currents, 8:7; oil spill, 1:11
olfactory, bulb, 15:10; cells, 5:12
Olympics, 4:11, 5:8–9
Olympus Mons, 11:4–7
Oort cloud, 18:4–5
operant conditioning, 3:11
optical fibers, 8:4–6
optical illusions, 1:14–15, 7:12–13
optic nerve, 7:12–13
organs of balance, 8:8–9
organ transplants, 3:8–9, 4:13, 5:4–5
ornithopter, 6:6
otters, 1:11
oxygen, 2:8–9, 12, 4:8–9, 8:10, 12:4–6, 10–11, 16:3
oxygenated fuels, 17:4–7
ozone layer, 2:8–9, 12–13

PAIN, 14:8–9, 12–13
paleontologist, 4:8–9
paper, 15:4–7
particulate matter, 17:4–7, 14
patents, 13:10–11
pathogens, 10:6–7
peer pressure, 2:4–7
permafrost, 11:4–7
pH, 6:12–13
phantom sensations, 14:8–9
photons, 16:6–7
photoreceptors, 7:12–13
phytoplankton, 2:8–9

pigment, 6:12–13
pike, 14:14
Pinatubo, Mount, 2:8–9, 5:12
pipeline leaks, 5:12
pitcher plants, 9:8–9
pitohui, 12:8
pituitary, 16:4–5
planets, 10:8–9
plants, 9:8–9, 13:8
plaques, 11:8–9
plasma, 10:8–9
plastic, from plants, 13:8; recycling, 15:4–7, 14–15
play, animal, 10:4–5
poachers, 18:11
poisonous bird, 12:8
polio, 11:12
pollution, 2:8–9, 11, 10:13, 16:10, 17:4–7, 14
potbellied fish, 14:14
predation, 10:15, 12:8, 9, 14:14
primate, 2:10
protein, 16:11–12, 18:6–7
proton, 10:8–9
prototype, 4:13
pulsars, 9:4–5
pyrogens, 10:6–7

QUASAR, 6:8–11

RADAR, 2:14
radiation, electromagnetic, 10:8–9, 10; therapy, 12:4–6
radioactive, decay, 9:14; iodine, 4:11; waste, 15:15
radio waves, 2:11, 5:11, 11:11
rain forests, 3:4–7, 6:15
receptors, 15:10, 16:4–5
recycling, 10:14, 15:4–7, 14–15, 12:12
reflection, 12:2, 16:6–7, 8
regeneration, 7:14
rejection, organ, 3:8–9
remission, 12:4–6
reptile, 4:8–9
resin, 11:13
resistance, 18:10
retina, 7:12–13
Revere, Paul, 3:10
rhizomorphs, 1:8–9
Richter scale, 4:4–6
rift zone, 13:4–6
RNA, 18:6–7
robots, jeans, 6:14; Mars, 11:4–7; milker, 10:11; surgeon, 12:13
rock, in Earth, 4:4–6; from space, 18:4–5
role-playing, 2:4–7

SACCULE, 8:8–9
satellite, 2:8–9, 6:15, 12:13
school bus, animals, 8:11; cool, 3:12–13; lifted by twister, 15:8
science fiction contest, 6:11; winners, 18:8–9, 14–15
Sci-Triv, 14:11
scrubbers, 17:4–7
sea lions, 3:11
seals, harbor, 10:15
seismologist, 4:4–6
seismometer, 13:13
sensation, 8:8–9, 14:8–9, 13, 16:3
sensory, equipment, 11:4–7; neurons, 14:8–9
serotonin, 7:8–9
sharks, 17:8
shoes, 8:7
shooting stars, 18:4–5
silk, 4:12, 16:12
singing, effect on health, 13:12
skin, 13:3; bath wrinkles, 14:3; disease, 18:12
slam-dunk, 10:12
sleep, 5:3, 9:14
sleepwalking, 4:7
small intestine, 7:8–9
smell, 1:12, 5:12, 15:10
smog, 17:4–7
smokestack scrubbers, 17:4–7
smoking, 6:4–5, 9:6, 16:15
snoring, 15:2
solar sails, 16:6–7
somatosensory cortex, 14:8–9
sound, 6:2, 7:13, 8:4–6, 10:14, 16:14
space, mirror, 16:6–7; shuttle, 8:8–9
spider, 4:12, 16:12
spine, 9:11
spinnerets, 16:12
SpringWalker, 4:13
squalamine, 17:8
standing reach, 10:12
stars, 6:8–11, 10:8–9, 10
Starzl, Thomas, 3:8–9
steroids, 1:10
stomach, 3:2
storms, 9:7
Strategic Arms Reduction Treaty (START) II, 14:10
stratosphere, 2:8–9
stump, limb, 14:8–9
sulfur dioxide, 17:4–7
sun, 2:8–9, 12, 10:10
sundew plant, 9:8–9
supercomputer, 9:4–5
superconductor, 18:10
surrogate parents, 5:10
sustainable development, 3:4–7
sweet spot, 17:9
synapses, 10:4–5
synovium, 15:11

TADPOLES, 6:12–13, 7:14
tariffs, 16:10
tartar, 7:15
tectonic action, 5:7
teeth, 7:15
telemetry scanner, 11:11
telephone, books, 10:14; high-tech, 18:12
telescope, 9:4–5, 10:8–9
temperature, in ancient times, 12:10–11; body, 10:6–7; in bus, 3:12–13; global, 1:12; in space, 10:8–9; survey results, 17:15
tension, 12:7; headaches, 9:2
T4 cells, 2:4–7
thalamus, 10:4–5, 14:8–9
Thompson, John, 3:15
thoracic, 9:11
thrust, 6:6
thyroid, 4:11
thyroxine, 4:11
tics, 17:10
time, 10:8–9
toads, 6:12–13
tornado, 1:4–6, 15:8
Tourette syndrome, 17:10
toxic chemicals, 17:4–7
toxins, 3:8–9
trade deal, U.S., Canada, and Mexico, 16:10
train, superfast, 16:14
transfusion, 2:4–7
transistors, 15:12
transplants, 3:8–9, 4:13, 5:4–5
tryptophan, 7:8–9
tsunami, 17:11
tubers, 13:8
tumor, 12:4–6
TV, high-definition, 8:4–6; Try Its, 4:14–15
twins, 17:12

UFOs, 2:15
ultraviolet rays, 2:8–9
unconscious, 11:2
universe, 10:8–9
urea, 12:12, 17:4–7
U.S. Geological Survey, 4:4–6
utricle, 8:8–9

VACCINE, AIDS, 18:6–7; polio, 11:13
vampire bat, 18:13
Venus's flytrap, 9:8–9
vertebrae, 9:11, 11:10
video, books, 8:4–6; contest, 8:14–15; games, 8:4–6, 10:14
Vikings, 9:14
virus, 2:4–7, 10:3, 6–7, 18:6–7
vision, 8–9, 7:12–13
vitamin D, 16:11
vitiligo, 18:12
vocal cords, 4:2
VOCs, 17:4–7
Voice Dialing, 18:12
volcano, Antarctic, 18:13; destroys Atlantis, 17:11; make your own, 13:14; men trapped in, 13:4–6; on Mars, 11:4–7; Pinatubo, Mount, 5:12
VORAD, 2:14
vortex, 1:7, 15:8

WALKER, 6:7
warhead, 14:10
warm-blooded, 4:8–9, 10:4–5
washing machine, 12:12
water, droplet, 8:12–13; vapor, 1:4–6
waves, 4:12, 15:13
weapons, chemical, 17:13
web, spider, 4:12, 16:12
wetlands, 7:4–7
whales, gray, 17:12; humpback, 14:4–5; and hunting 4:10; minke, 4:10; rescue, 9:14; sea lions to videotape, 3:11; stranding, 14:4–5
white hole, 6:8–11
whooping cranes, 15:12
wind, 1:7, 7:10, 14:6–7
withdrawal, 1:10
wolves in Alaska, 12:9
women inventors, 13:10–11
wormhole, 6:8–11

X2000, 16:14

YELLOWSTONE NATIONAL PARK, 13:13

ZERO-EMISSION VEHICLES, 17:4–7
zygote, 17:12